

Fig. 1

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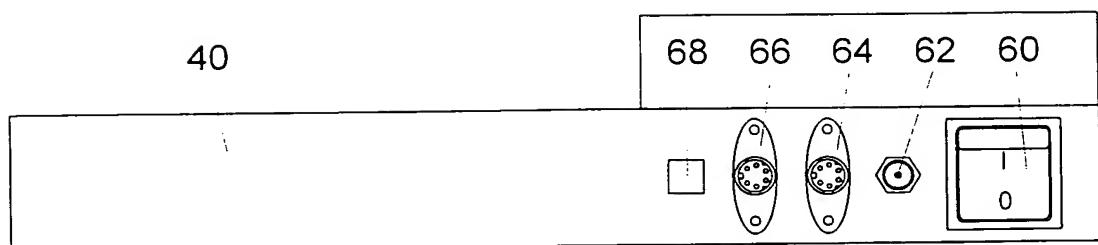


Fig. 2

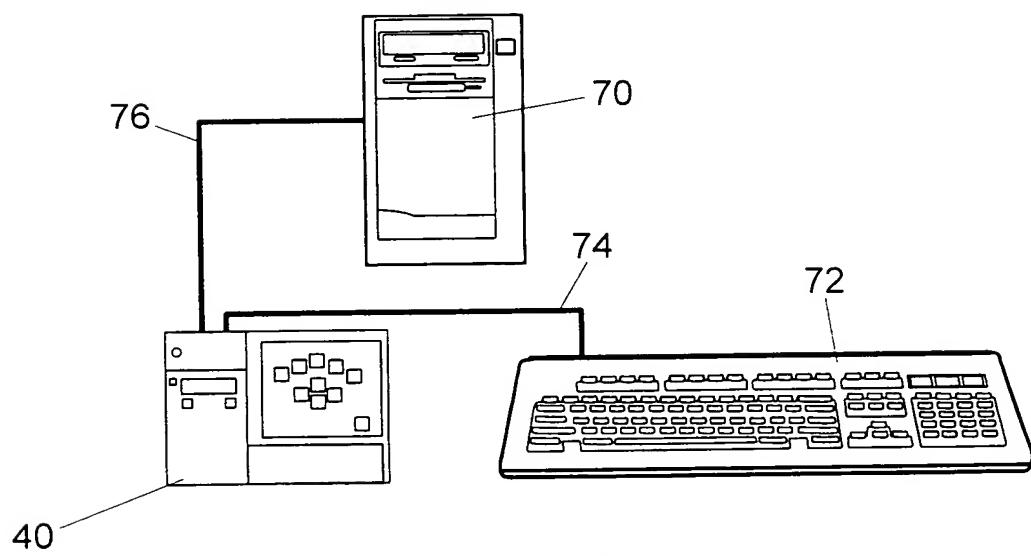


Fig. 3

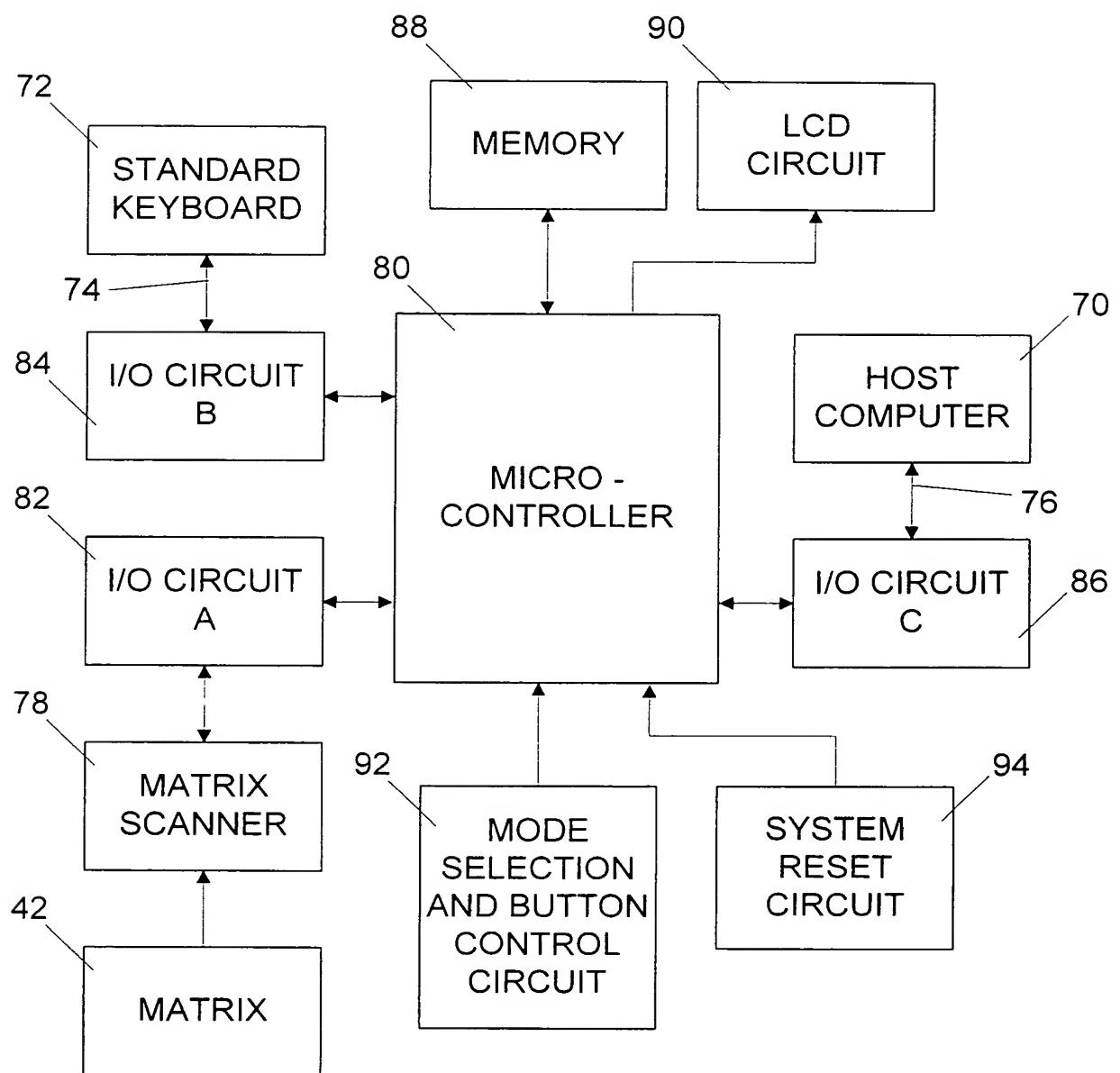


Fig. 4

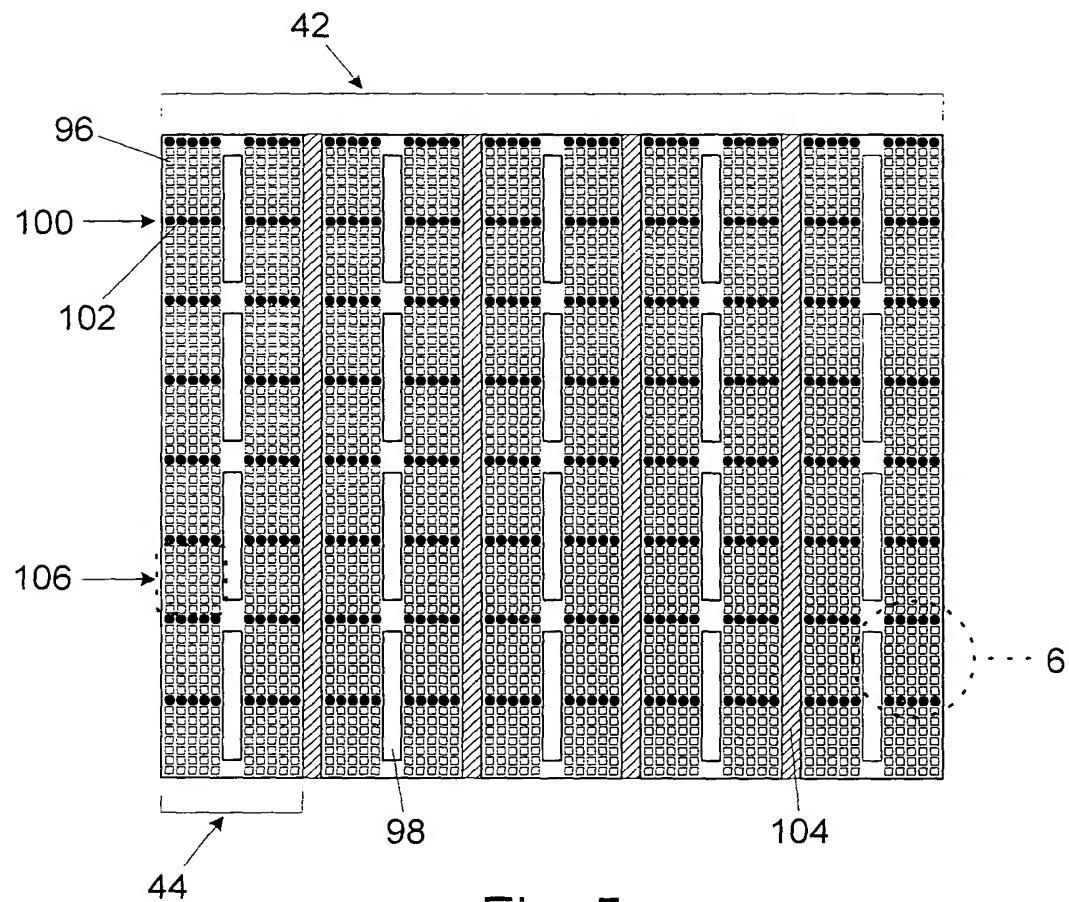


Fig. 5

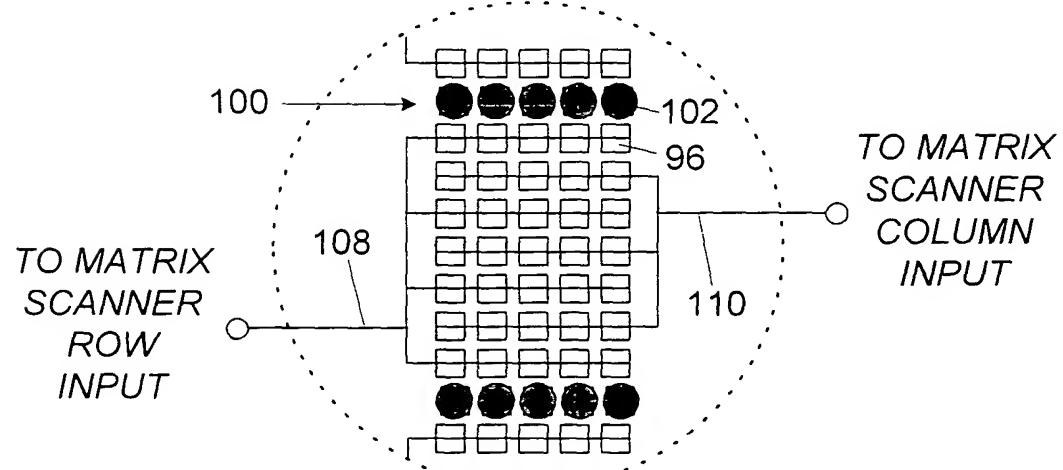


Fig. 6

Fig. 7

112	9	-	4C	CAPS	F3	I	U	M	PAD *	R
114	46	4E	R: 0	R: 58	04	43	3C	3A	7C	2D
116	R: 2	R: 1	C: 3	R: 4	R: 4	R: 3	R: 3	R: 6	R: 3	R: 3
118	C: 4	C: 3	C: 3	C: 10	C: 8	C: 5	C: 6	C: 6	C: 15	C: 7
ESC	F	F1	F10	PAD 2	PAD 3	PAD 4	PAD 5	X	Y	
76	2B	05	09	72	7A	6B	73	22	35	
R: 5	R: 0	R: 1	R: 2	R: 0	R: 0	R: 4	R: 4	R: 6	R: 4	
C: 1	C: 7	C: 10	C: 2	C: 12	C: 15	C: 9	C: 12	C: 10	C: 6	
Z	D	E	RET	PAD .	PAD +	PAD 0	PAD 1	V	W	
1A	23	24	5A	71	79	70	69	2A	1D	
R: 6	R: 0	R: 3	R: 6	R: 5	R: 5	R: 5	R: 0	R: 6	R: 3	
C: 1	C: 8	C: 8	C: 2	C: 15	C: 16	C: 12	C: 9	C: 7	C: 10	
=	A	B	BACK	N	O	P	T			
55	1C	32	66	31	44	4D	7B	2C	0D	
R: 1	R: 0	R: 7	R: 4	R: 7	R: 3	R: 3	R: 7	R: 4	R: 4	
C: 5	C: 11	C: 7	C: 2	C: 6	C: 4	C: 4	C: 15	C: 7	C: 11	
/	I	1	0E	K	L	L	7	2	0	
4A	54	5B	R: 1	R: 0	42	4B	14	7E	29	
R: 7	R: 4	R: 4	C: 5	C: 11	R: 0	R: 0	R: 1	R: 3	R: 7	
C: 3	C: 3	C: 5	C: 2	C: 11	C: 5	C: 4	C: 17	C: 1	C: 2	
8	52	5D	49	NUM	G	H	14	7	2	
3E	R: 5	R: 0	R: 6	R: 6	77	34	33	3B	15	1B
R: 2	C: 3	C: 2	C: 4	C: 9	C: 7	C: 5	C: 6	R: 0	R: 3	R: 0
4	5	6	49	NUM	G	H	J	Q	11	C: 10
25	2E	36	3D	F5	F6	F7	F8	PAD 8	PAD 9	
R: 2	R: 1	R: 1	R: 2	R: 03	0B	83	0A	75	7D	
C: 7	C: 7	C: 6	C: 6	R: 5	R: 5	R: 4	R: 1	R: 3	R: 3	
0	1	2	3	F11	F12	F2	F4	PAD 6	PAD 7	
45	16	1E	26	78	07	06	0C	74	6C	
R: 2	R: 2	R: 2	R: 2	R: 2	R: 2	R: 1	R: 5	R: 4	R: 3	
C: 3	C: 11	C: 10	C: 8	C: 9	C: 9	C: 12	C: 8	C: 15	C: 9	

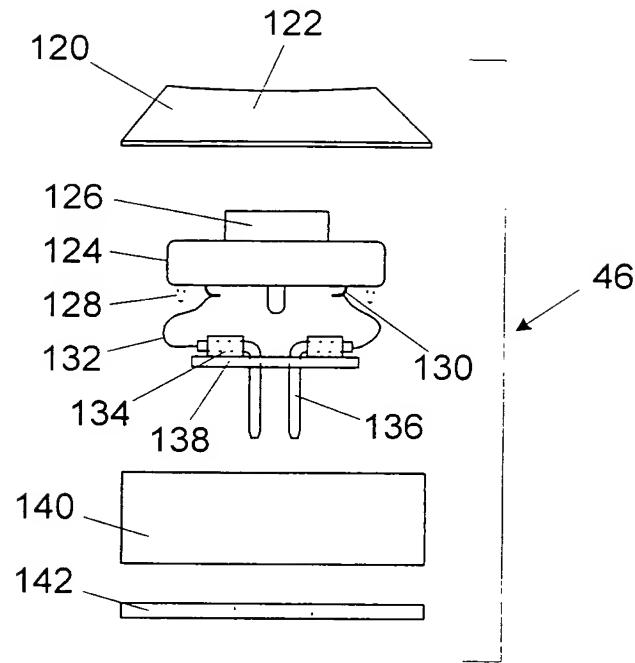


Fig. 8A

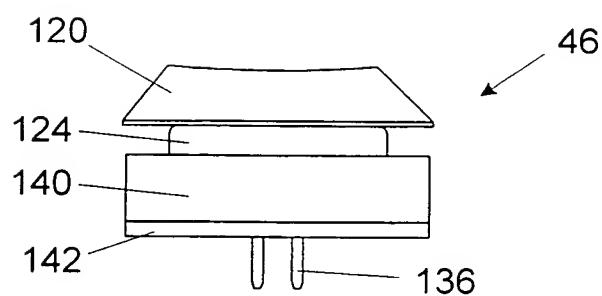


Fig. 8B

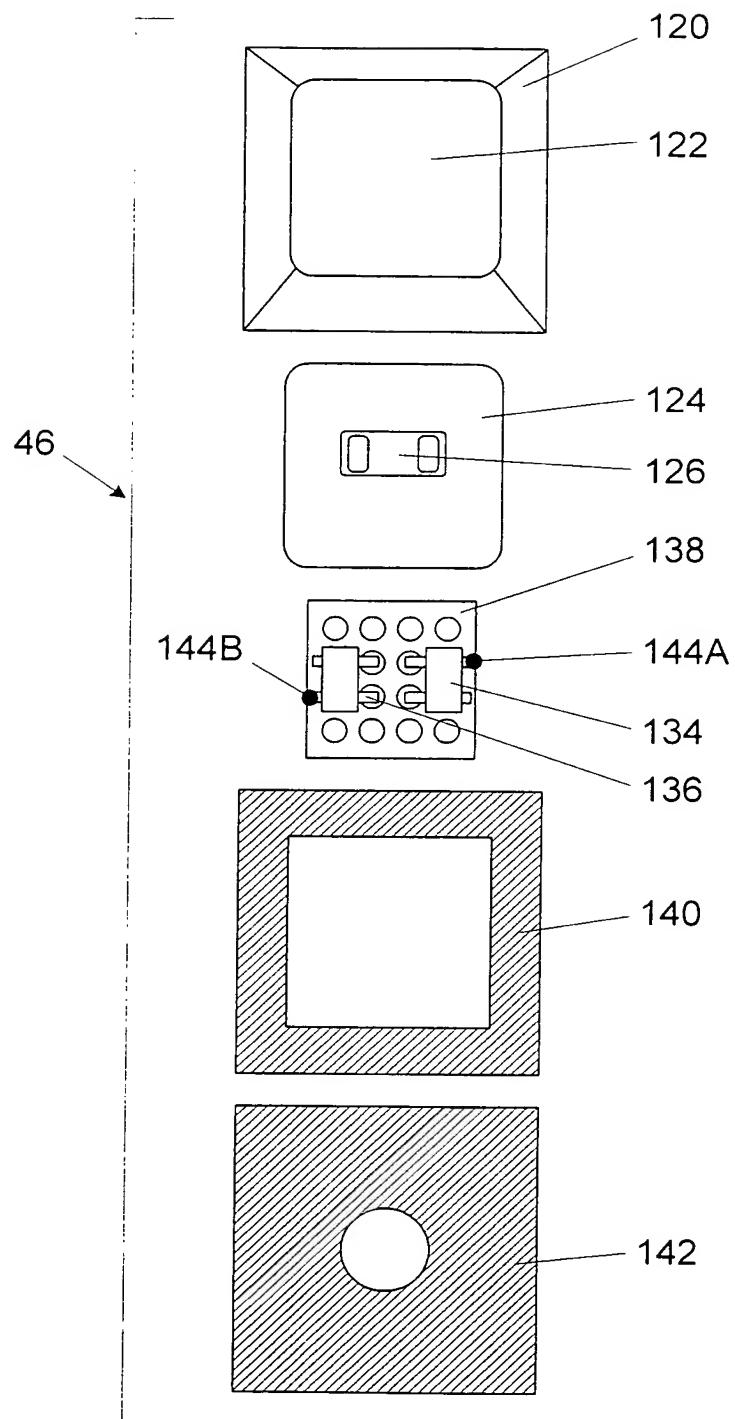


Fig. 8C

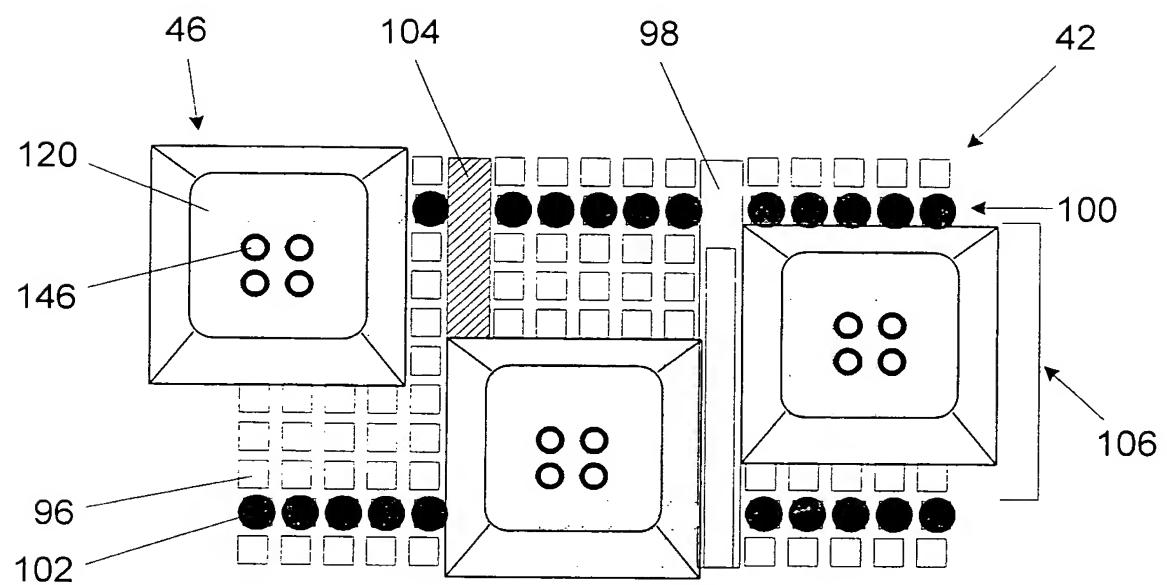


Fig. 9

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MEMORY 128K (64K CODE + 64K DATA)		
MICROCONTROLLER DEVELOPMENT BOARD		
P1.0	OMATRIXO_CLK	A15
P1.1	OCPUE_CLK	A14
P1.2	SYSTEM_RESET	16 BIT ADDRESS HIGH BYTE
P1.3	OKEYO_CLK	A13
P1.4	CPU1_DATA	A12
P1.5	CPU1_CLK	A11
P1.6	RS	A10
P1.7	EN	A9
P3.0	MATRIXI_DATA	A8
P3.1	KEYI_DATA	A7
P3.2	MATRIXI_CLK	A6
P3.3	KEYI_CLK	16 BIT ADDRESS LOW BYTE (DE-MUXED)
P3.4	OKEYO_DATA	A5
P3.5	OCPUE_DATA	A4
P3.6	WR_L	A3
P3.7	RD_L	A2
		A1
		A0
		AD7
		AD6
		AD5
		AD4
		AD3
		AD2
		AD1
		AD0
	HIGH NYBBLE ADDRESS DECODE FXXX_L	

Fig. 10

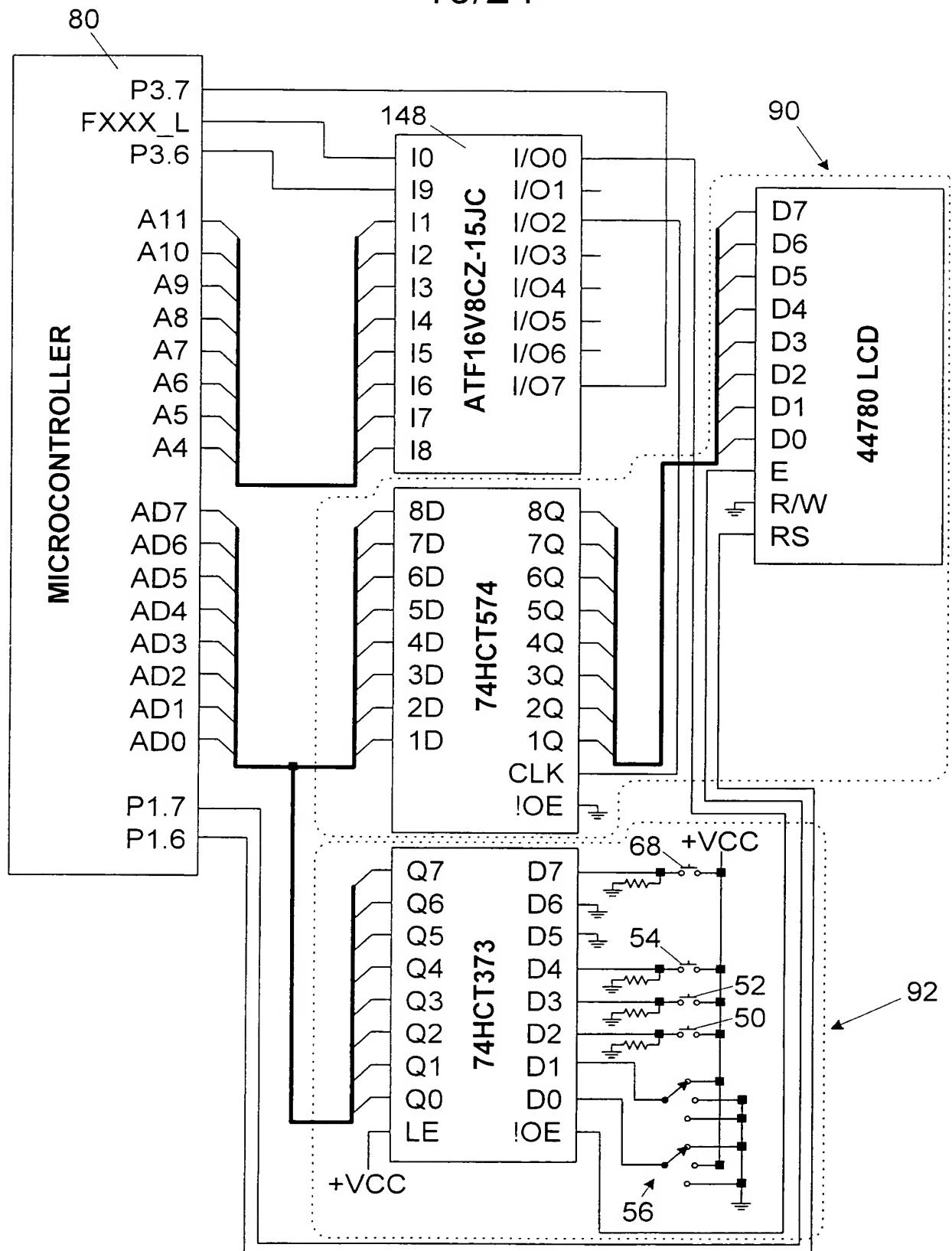


Fig. 11

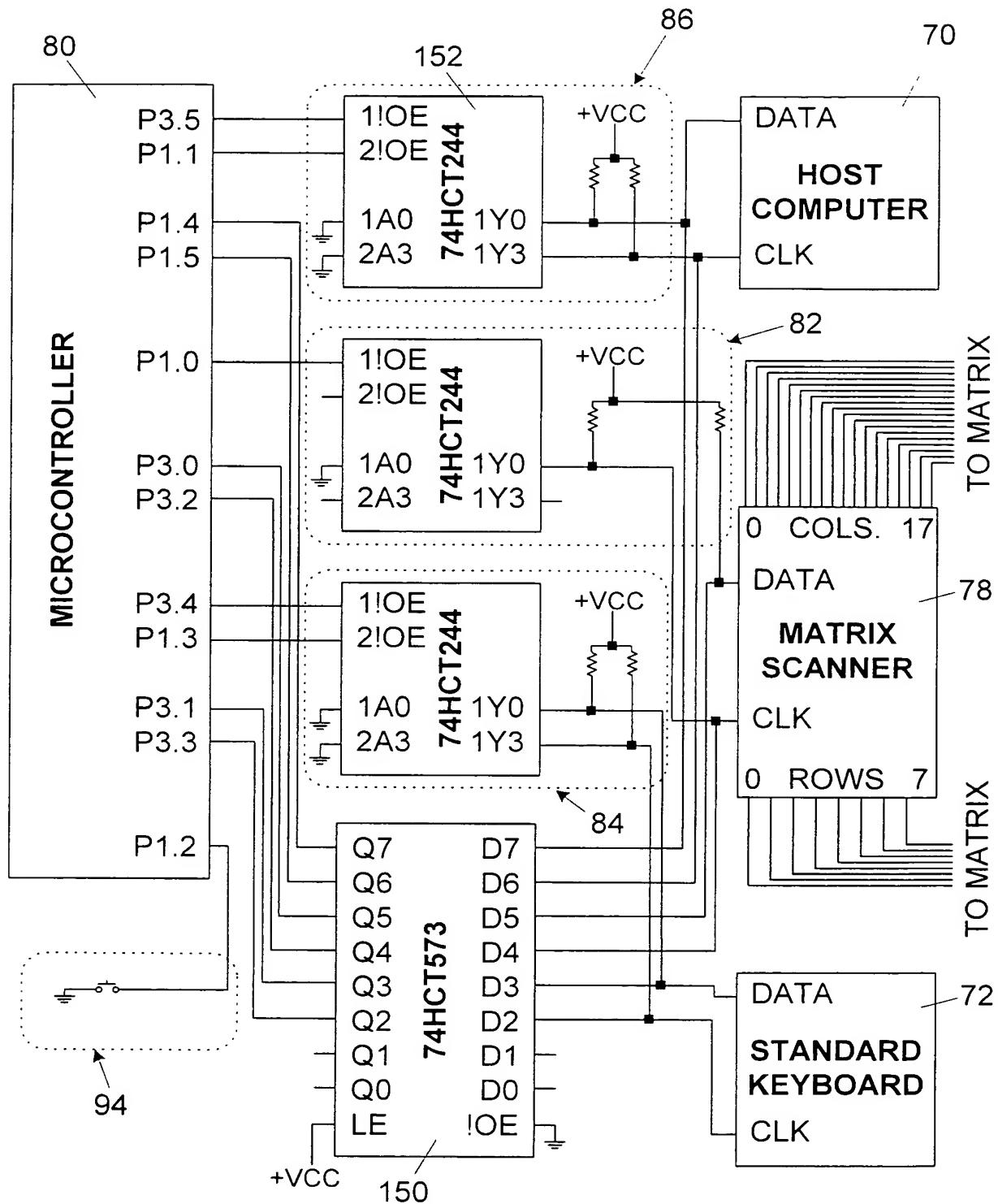


Fig. 12

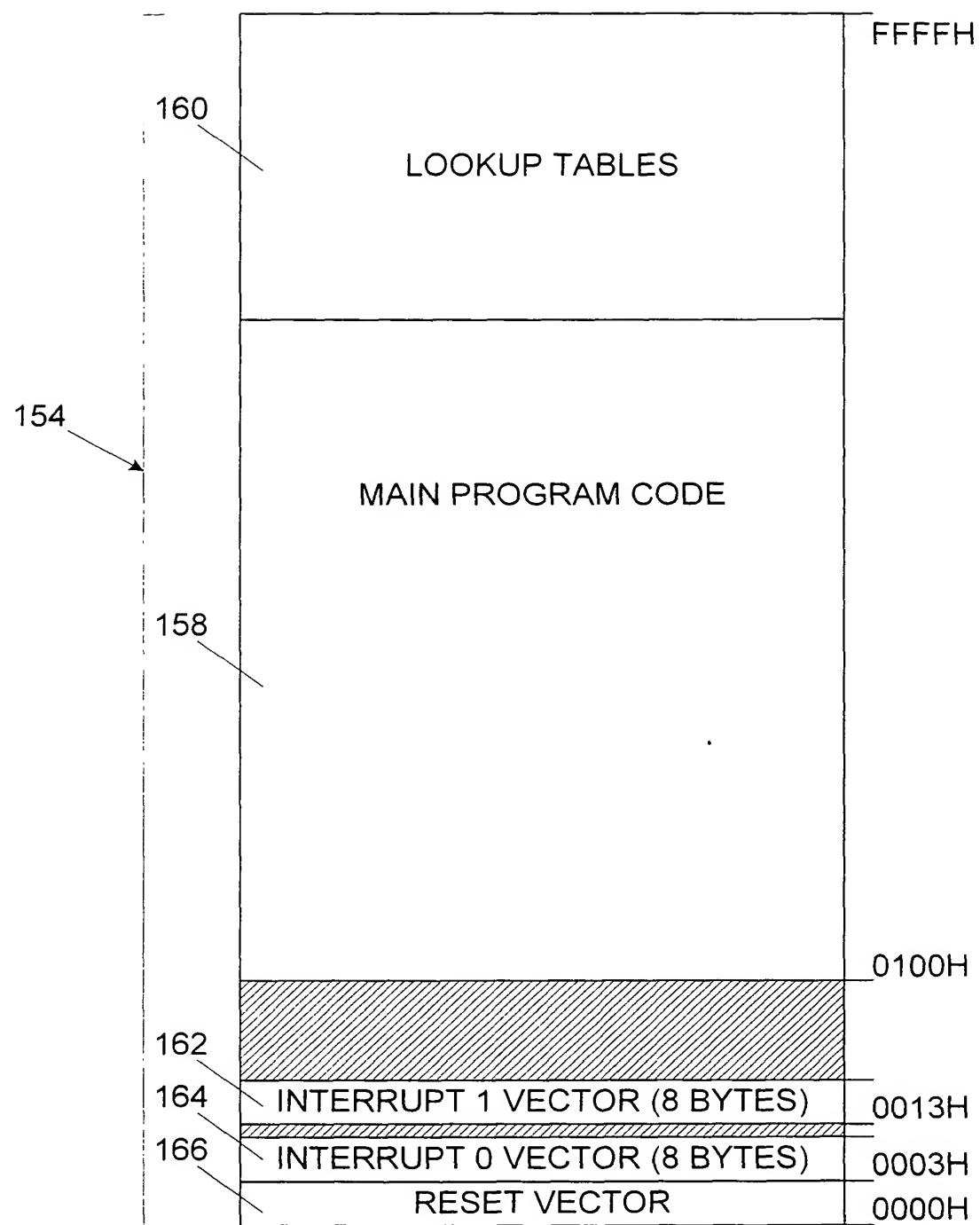


Fig. 13

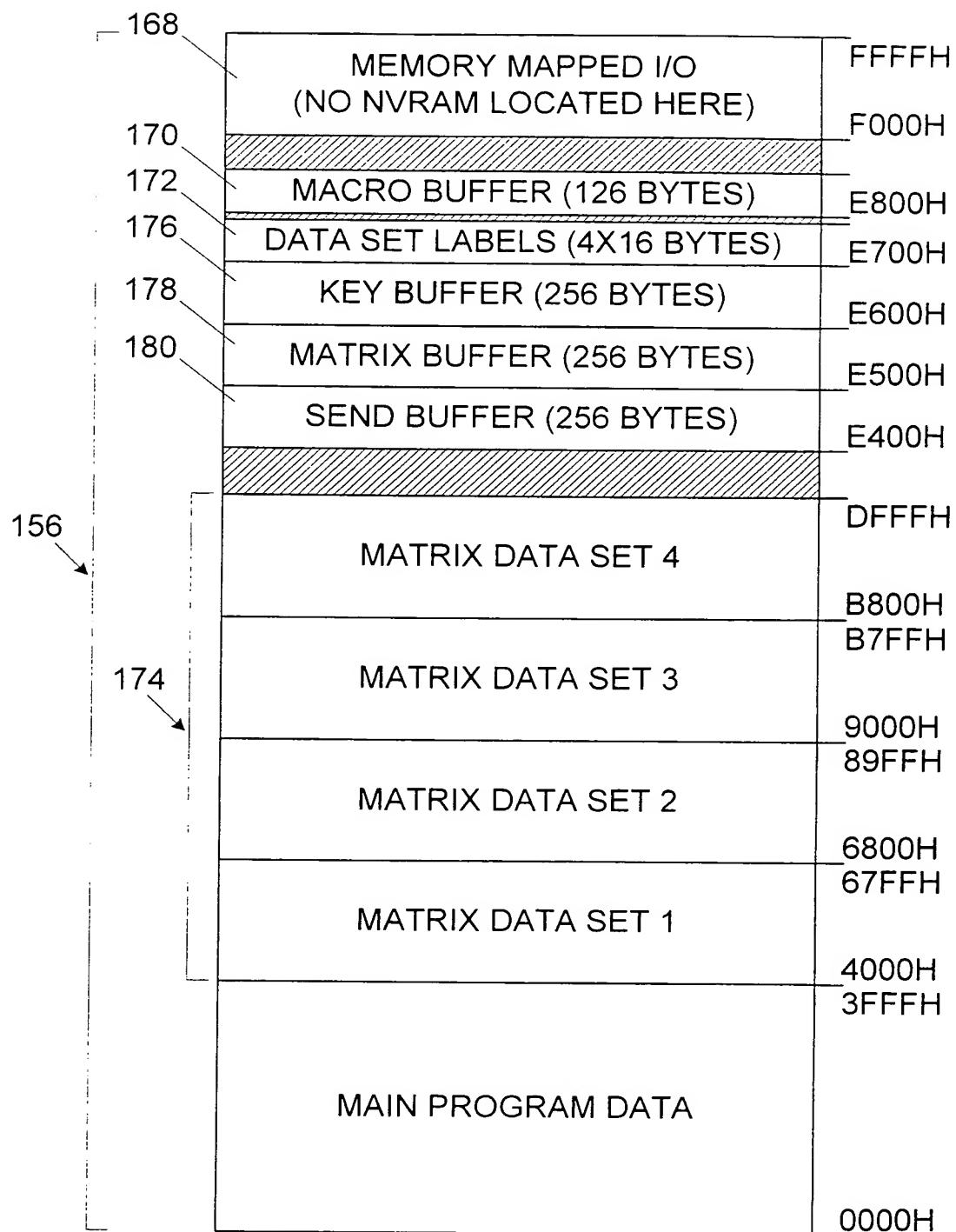


Fig. 14

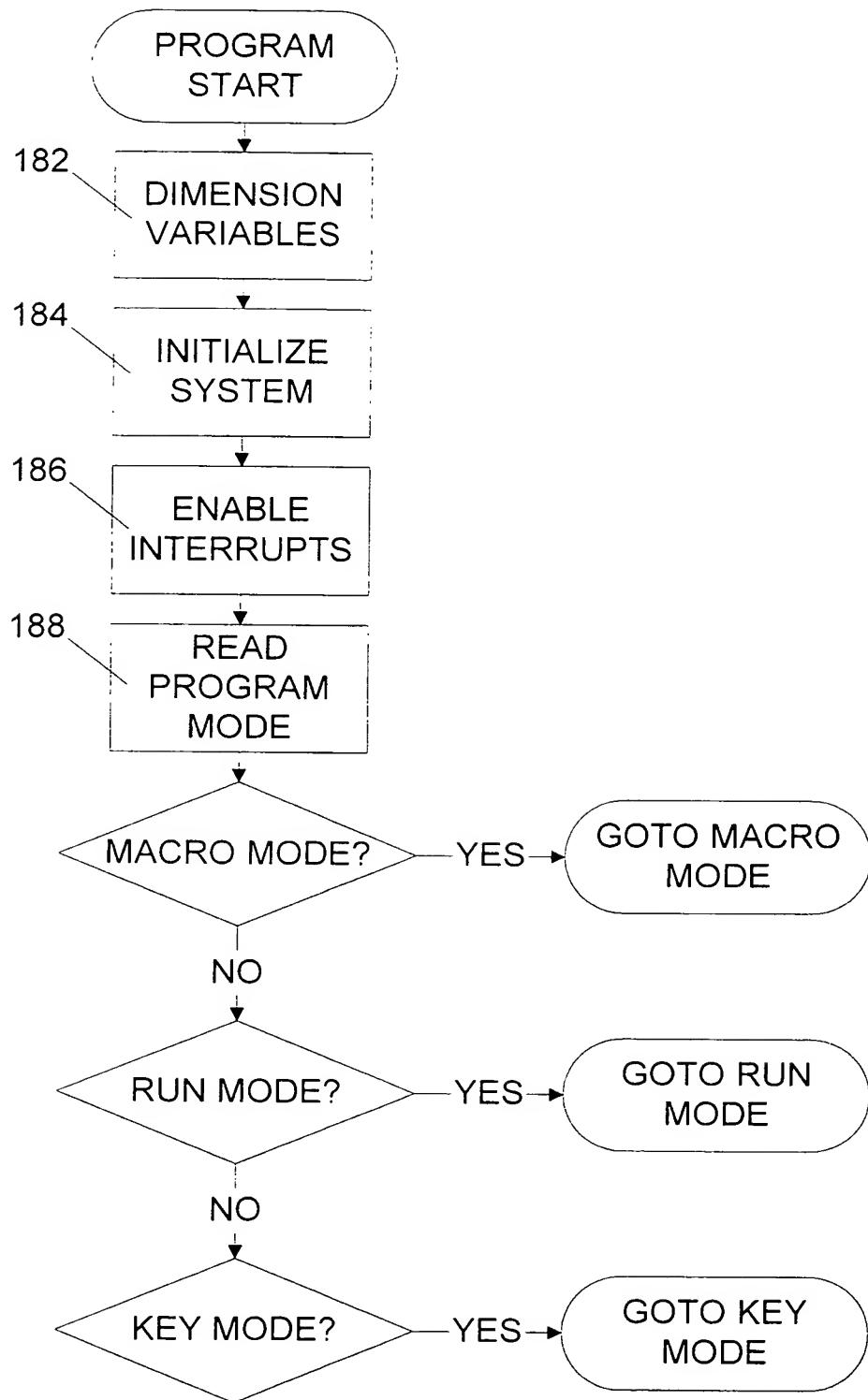


Fig. 15

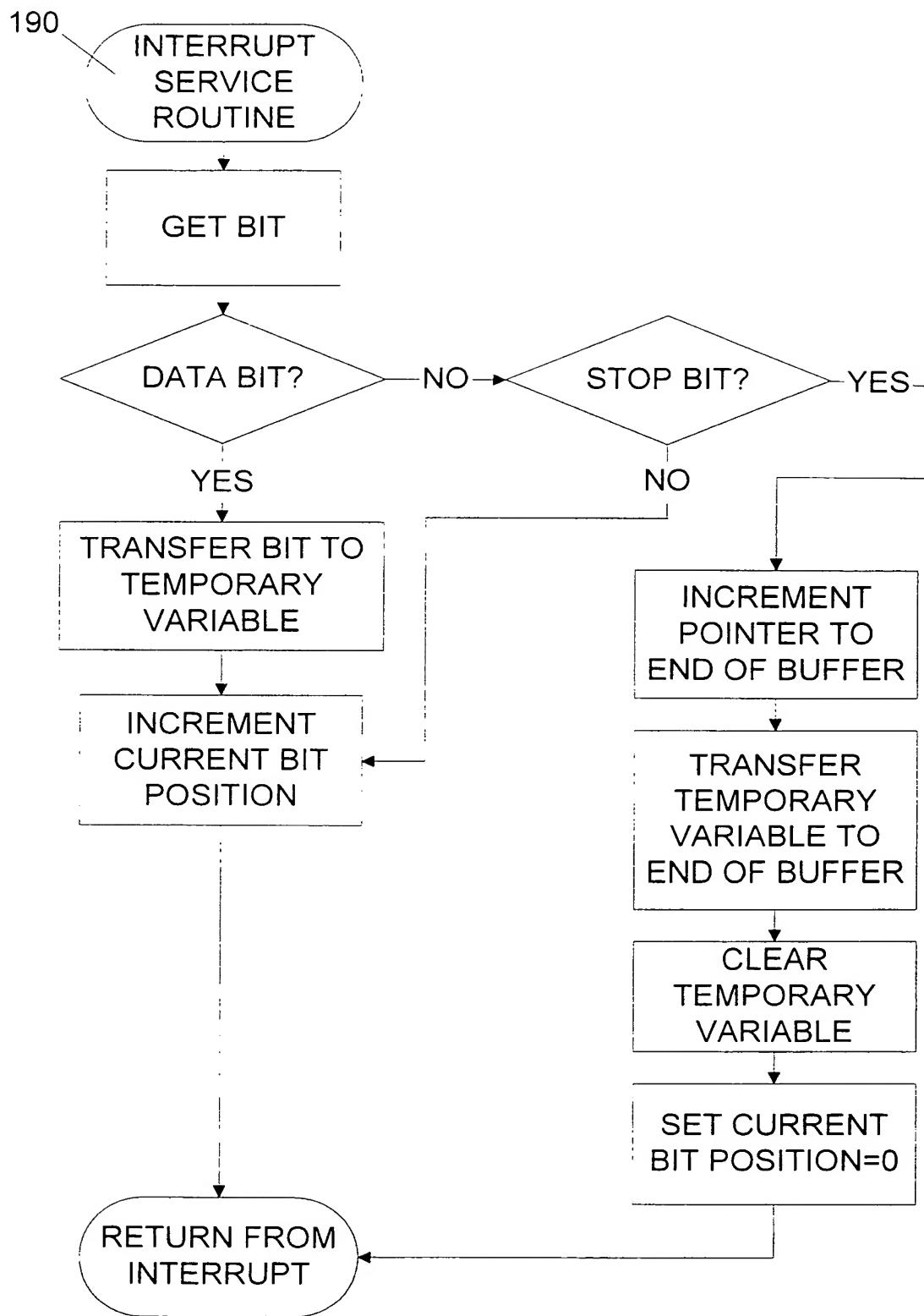


Fig. 16

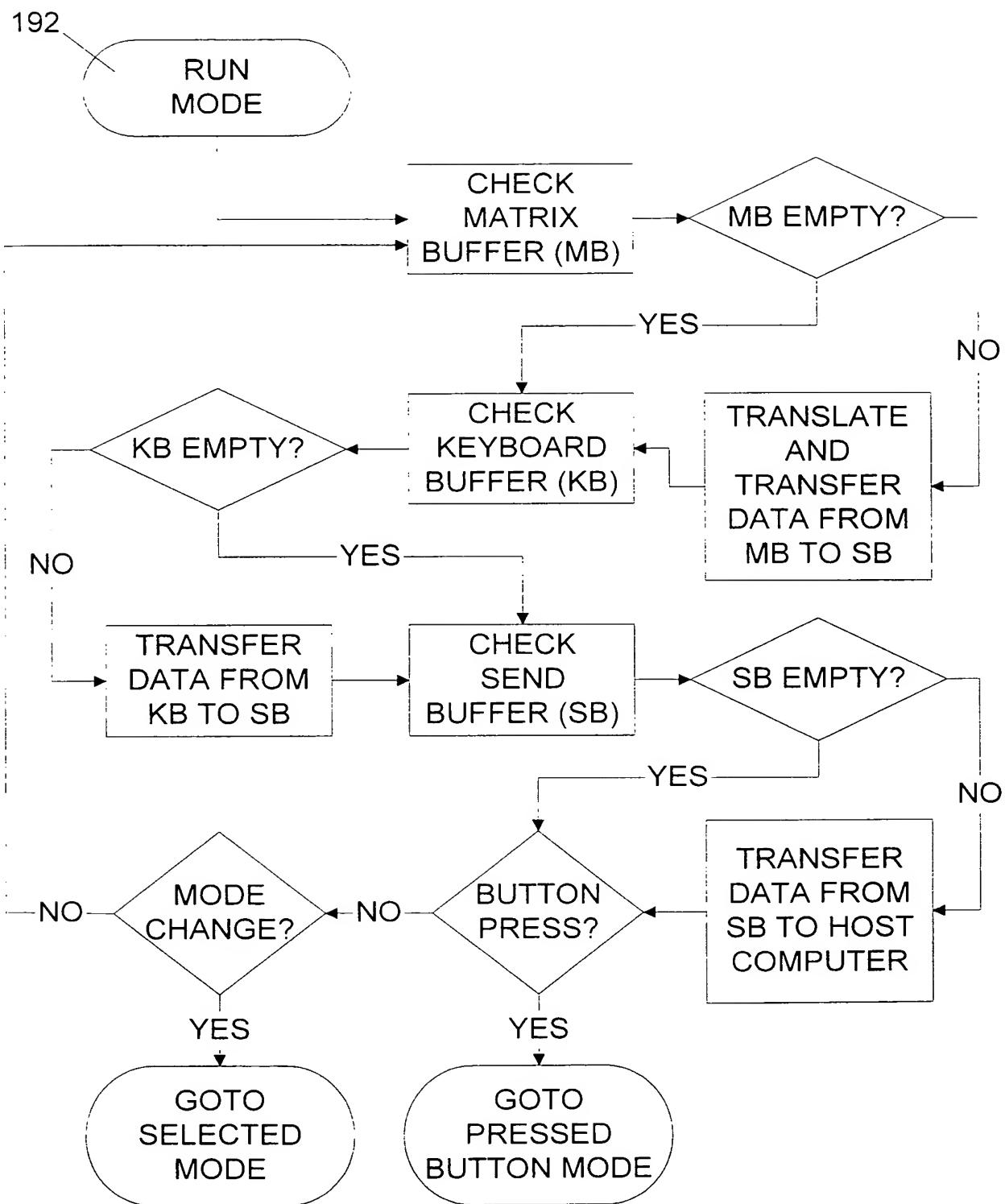


Fig. 17

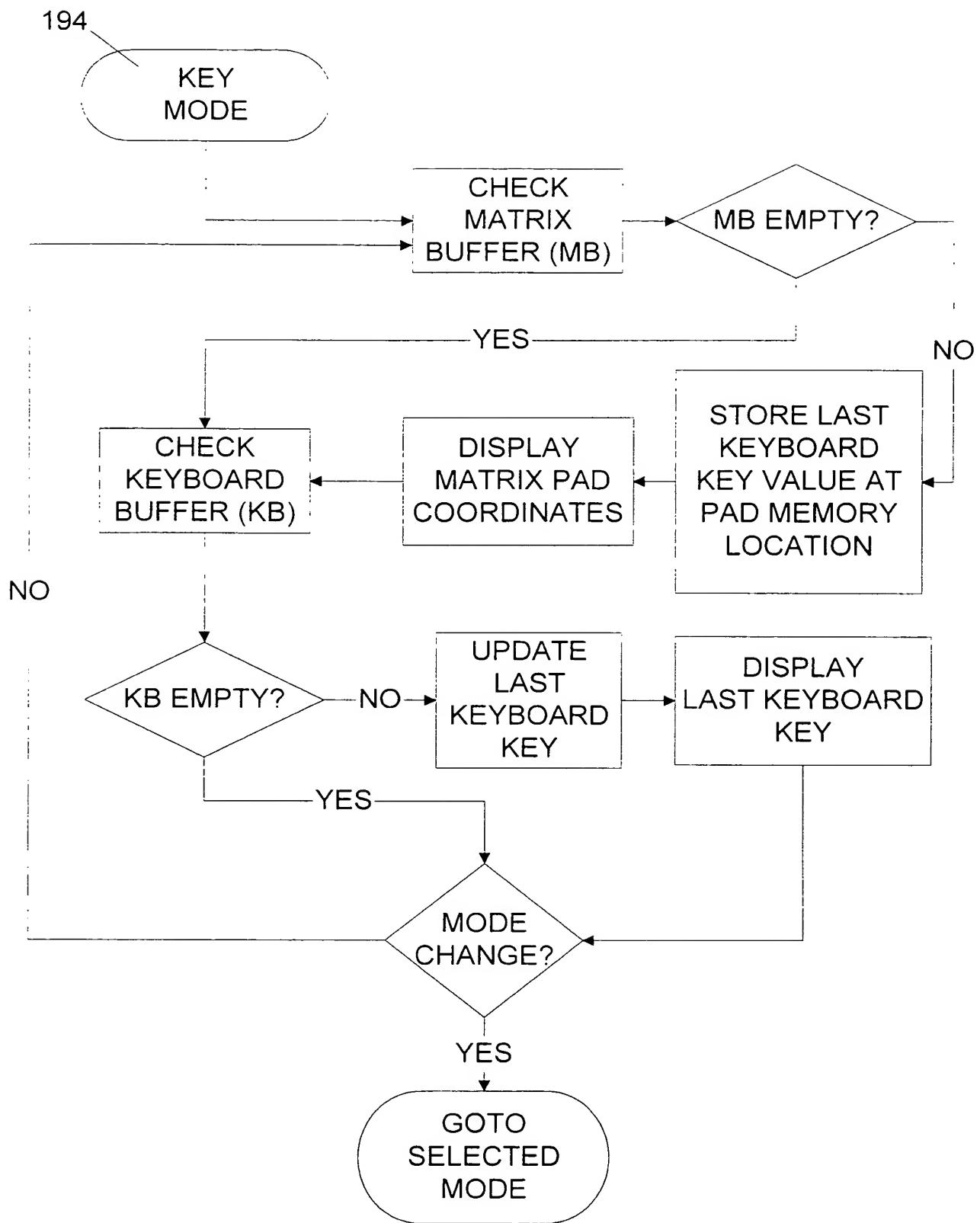


Fig. 18

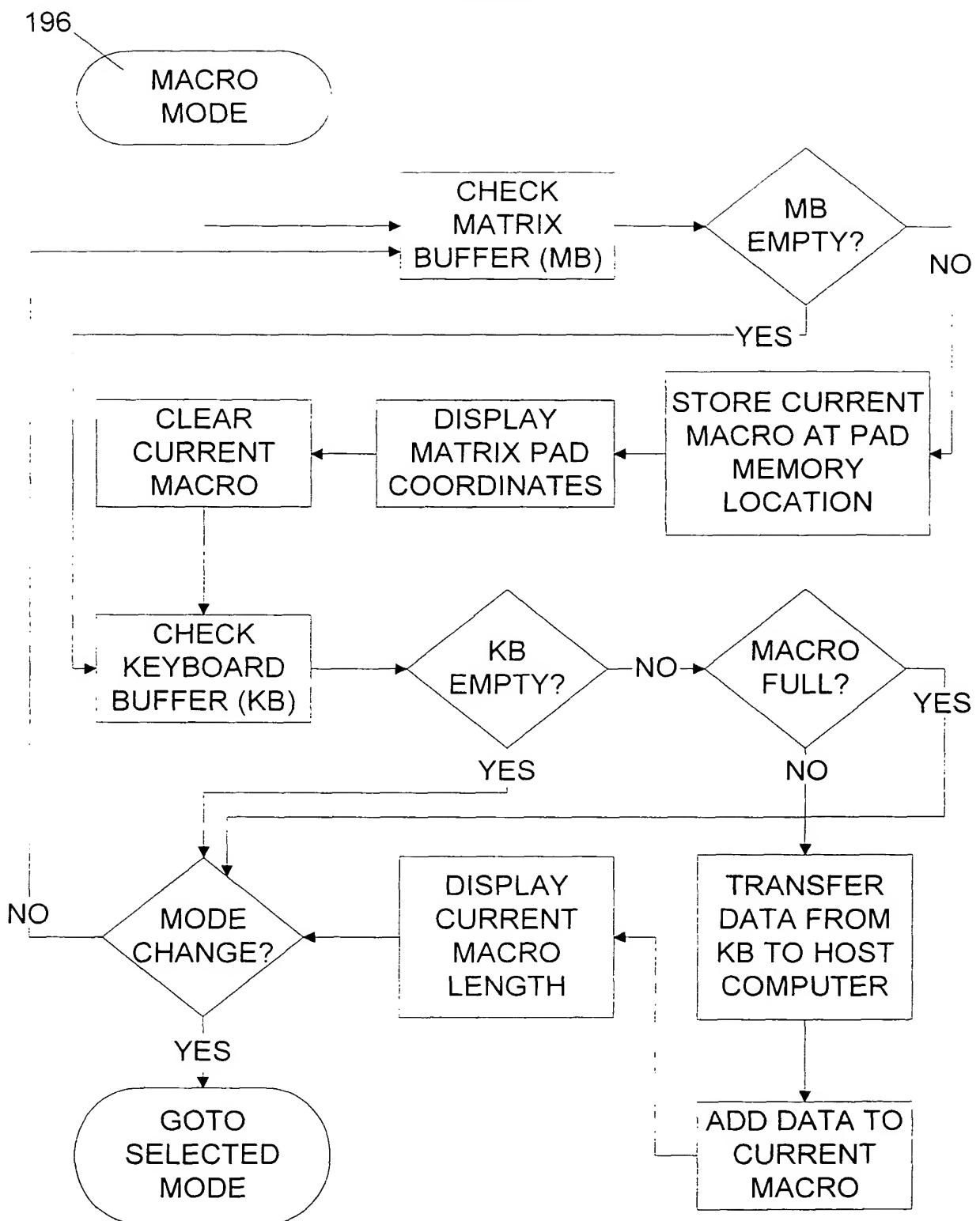


Fig. 19

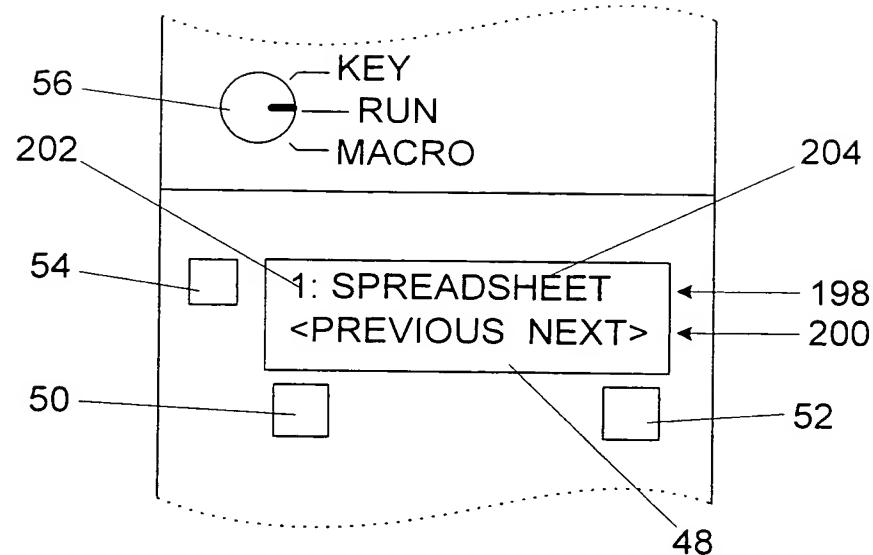


Fig. 20A

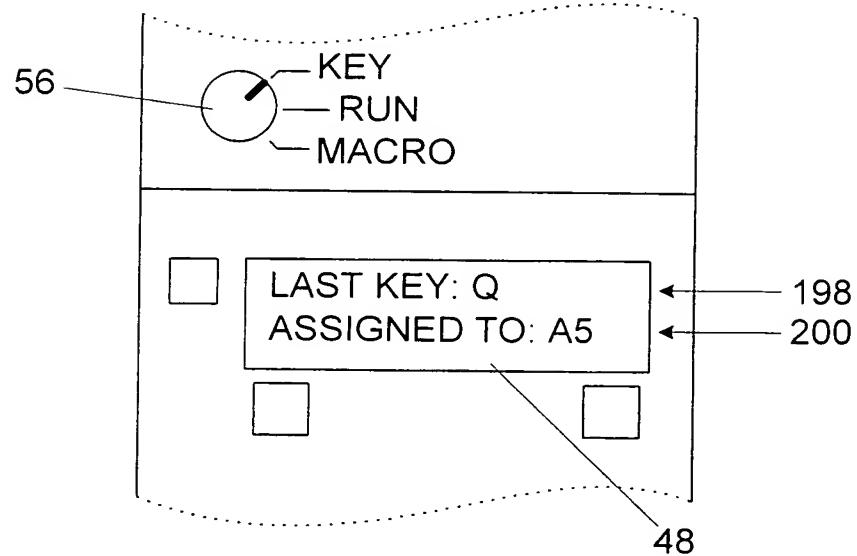


Fig. 20B

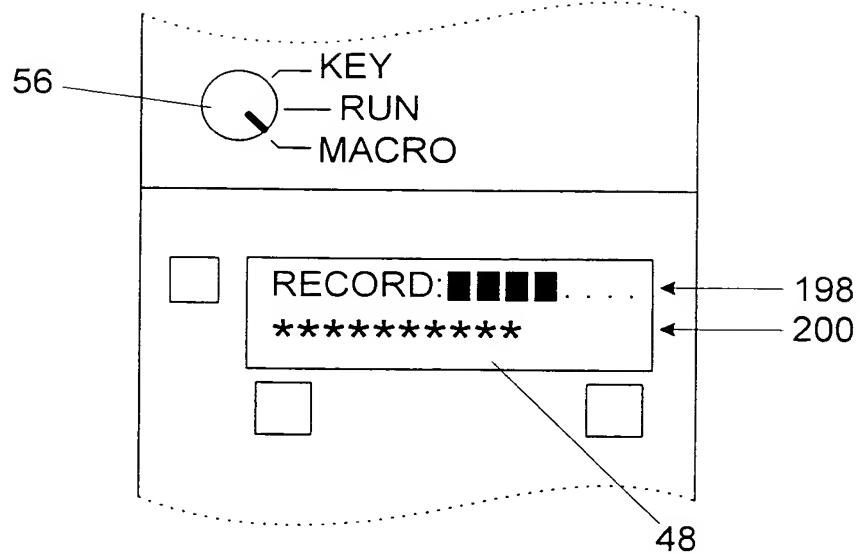


Fig. 20C

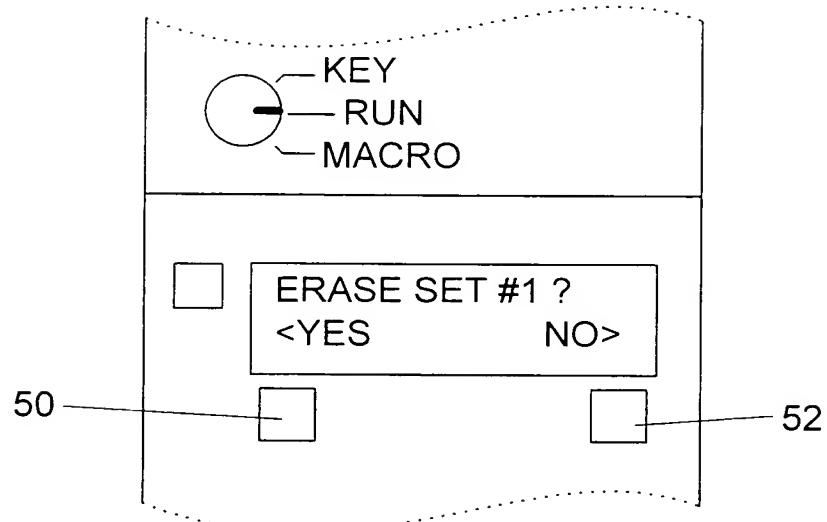


Fig. 20D

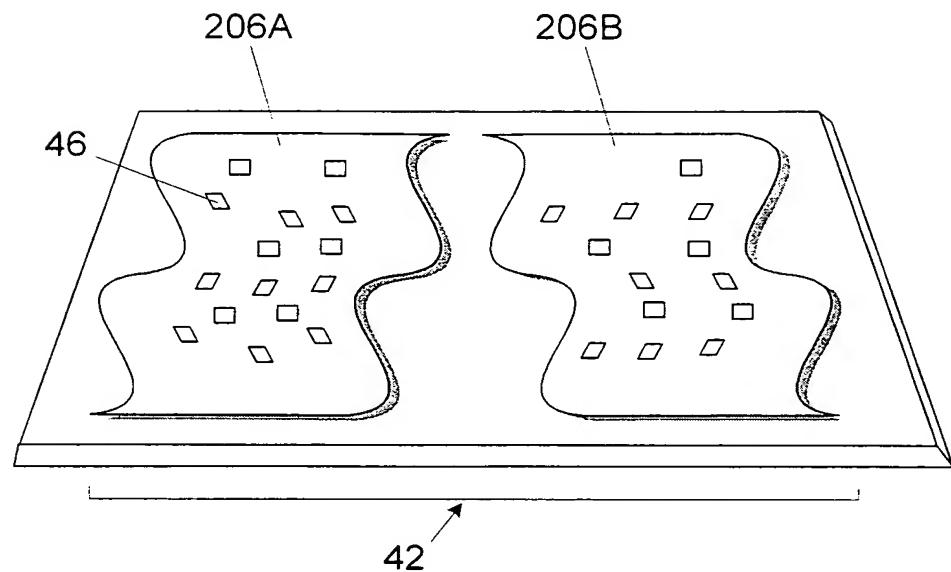


Fig. 21

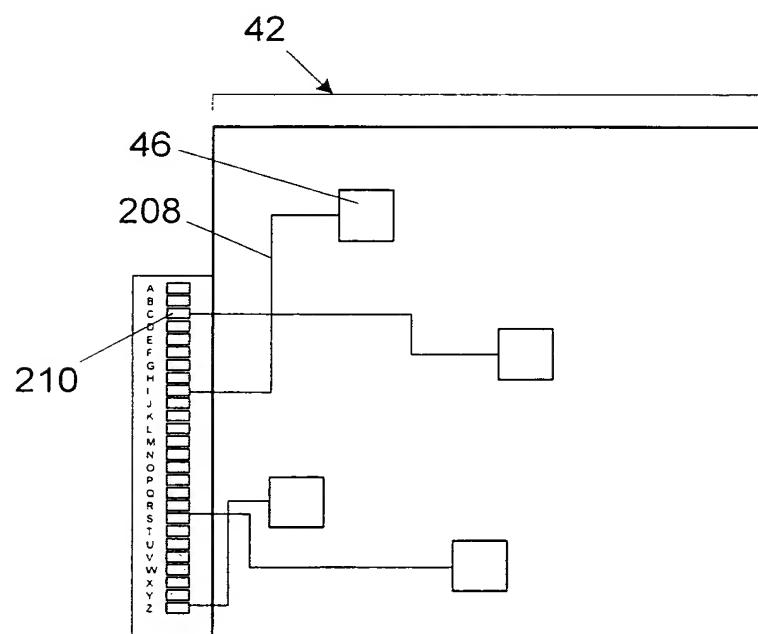


Fig. 22

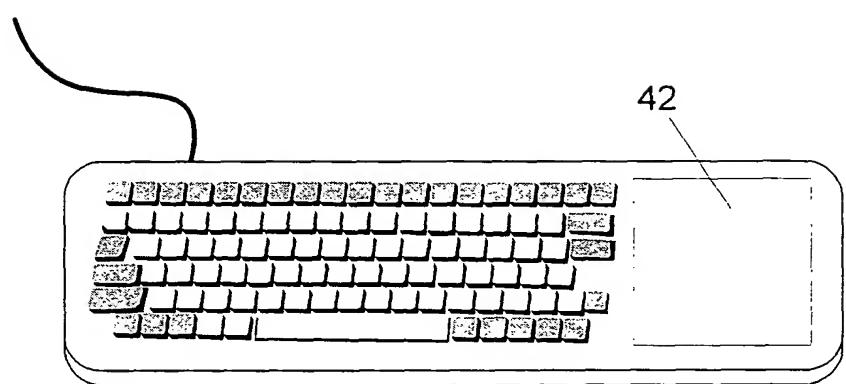


Fig. 23

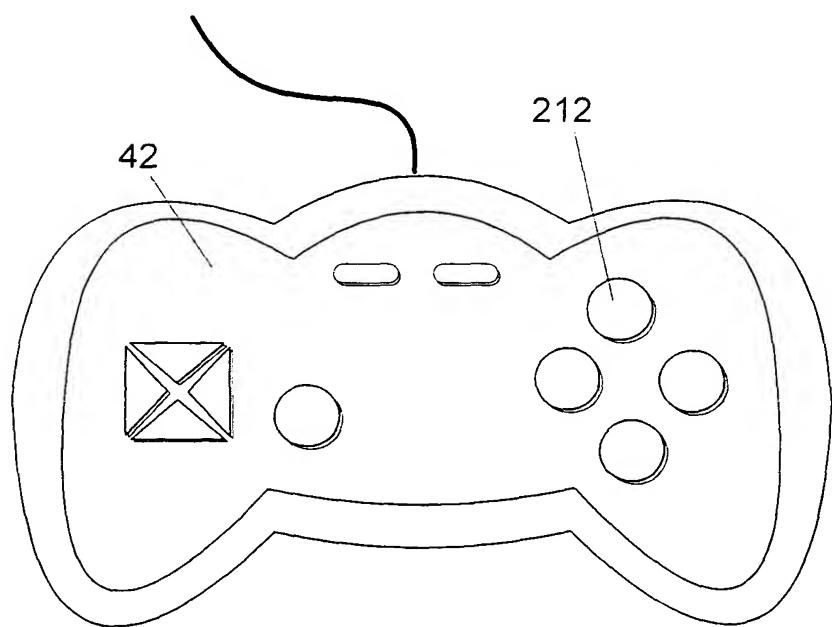


Fig. 24

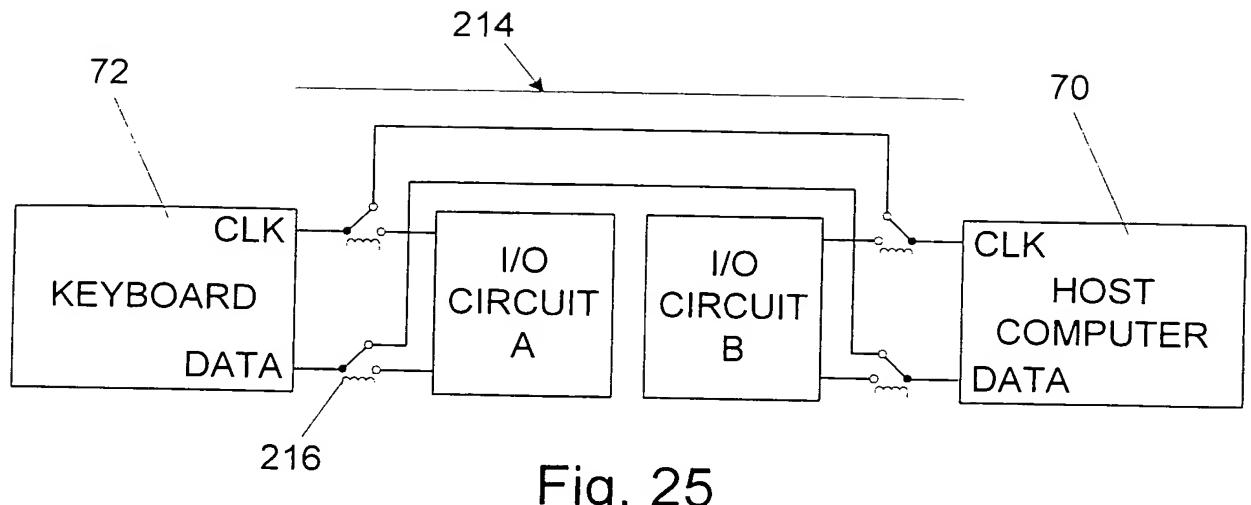


Fig. 25

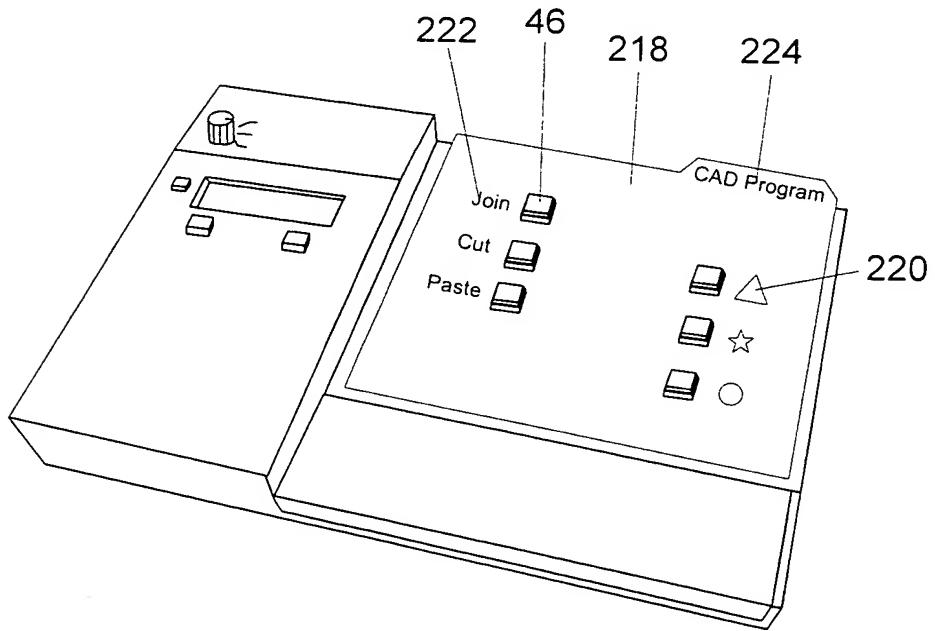


Fig. 26

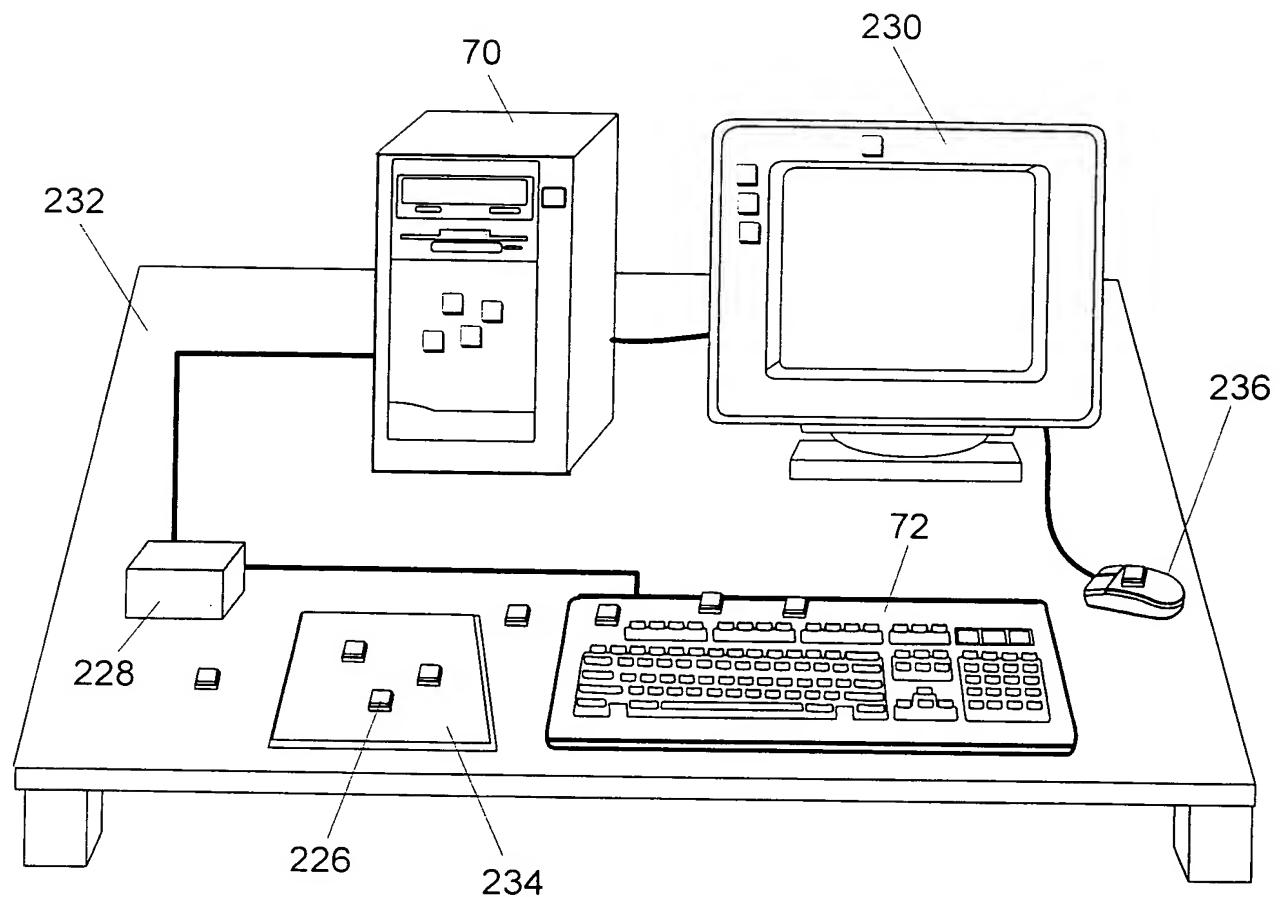


Fig. 27